

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8226	benson.in. or durbin.in. or prince.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:22
L2	42	l1 and crystal.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:22
L3	0	l2 and ((beta adj secretase) or memapsin or bace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:23
L4	0	l2 and ((beta adj secretase) or beta-secretase or memapsin or bace)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:23
L5	1	((beta-site adj APP-cleaving adj enzyme) or (beta-secretase) or Asp-2 or BACE or Asp2 or memapsin or DRAP or BACE-2 or Bace2) and l1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:31
L6	5	((beta-site adj APP-cleaving adj enzyme) or (beta-secretase) or Asp-2 or BACE or Asp2 or memapsin or DRAP or BACE-2 or Bace2) and crystal.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:26
L7	1	((beta-site adj APP-cleaving adj enzyme) or (beta-secretase) or Asp-2 or BACE or Asp2 or memapsin or DRAP or BACE-2 or Bace2) and (trigonal or p3221)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:46
L8	108	((beta-site adj APP-cleaving adj enzyme) or (beta-secretase) or Asp-2 or BACE or Asp2 or memapsin or DRAP or BACE-2 or Bace2) and (pfizer. as. or upjohn.as. or pharmacia.as.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:47
L9	0	l8 and (crystal.clm.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/08 15:48

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#2 Search "amyloid precursor protein
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Aminoethylenes: a tetrahedral intermediate isostere yielding potent inhibitors of the aspartyl protease BACE-1.
J Med Chem. 2006 Feb 9;49(3):839-42.
PMID: 16451048 [PubMed - indexed for MEDLINE]
- ☐ 2: Ostermann N, Eder J, Eidhoff U, Zink F, Hassiepen U, Worpenberg S, Maibaum J, Simic O, Hommel U, Gerhartz B. Related Articles, Links
Crystal structure of human BACE2 in complex with a hydroxyethylamine transition-state inhibitor.
J Mol Biol. 2006 Jan 13;355(2):249-61. Epub 2005 Nov 8.
PMID: 16305800 [PubMed - indexed for MEDLINE]
- ☐ 3: Hanessian S, Yun H, Hou Y, Yang G, Bayraktarian M, Therrien E, Moitessier N, Roggo S, Veenstra S, Tintelnnot-Blomley M, Rondeau JM, Ostermeier C, Strauss A, Ramage P, Paganetti P, Neumann U, Betschart C. Related Articles, Links
Structure-based design, synthesis, and memapsin 2 (BACE) inhibitory activity of carbocyclic and heterocyclic peptidomimetics.
J Med Chem. 2005 Aug 11;48(16):5175-90.
PMID: 16078837 [PubMed - indexed for MEDLINE]
- ☐ 4: Turner RT 3rd, Hong L, Koelsch G, Ghosh AK, Tang J. Related Articles, Links
Structural locations and functional roles of new subsites S5, S6, and S7 in memapsin 2 (beta-secretase).
Biochemistry. 2005 Jan 11;44(1):105-12.
PMID: 15628850 [PubMed - indexed for MEDLINE]
- ☐ 5: Ghosh AK, Devasamudram T, Hong L, DeZutter C, Xu X, Weerasena V, Koelsch G, Bilcer G, Tang J. Related Articles, Links
Structure-based design of cycloamide-urethane-derived novel inhibitors of human brain memapsin 2 (beta-secretase).
Bioorg Med Chem Lett. 2005 Jan 3;15(1):15-20.
PMID: 15582402 [PubMed - indexed for MEDLINE]
- ☐ 6: Wang W, Reichert P, Beyer BM, Liu JJ, Lee J, Zhang L, Liu YH, Taremi SS, Le HV, Strickland C. Related Articles, Links
Crystallization of glycosylated human BACE protease domain expressed in Trichoplusia ni.
Biochim Biophys Acta. 2004 May 6;1698(2):255-9.

PMID: 15134659 [PubMed - indexed for MEDLINE]

- ☐ 7: [Shiba T, Kametaka S, Kawasaki M, Shibata M, Waguri S, Uchiyama Y, Wakatsuki S.](#) [Related Articles, Links](#)



Insights into the phosphoregulation of beta-secretase sorting signal by the VHS domain of GGA1.

Traffic. 2004 Jun;5(6):437-48.

PMID: 15117318 [PubMed - indexed for MEDLINE]

- ☐ 8: [Crystal AS, Morais VA, Fortna RR, Carlin D, Pierson TC, Wilson CA, Lee VM, Doms RW.](#) [Related Articles, Links](#)



Presenilin modulates Pen-2 levels posttranslationally by protecting it from proteasomal degradation.

Biochemistry. 2004 Mar 30;43(12):3555-63.

PMID: 15035625 [PubMed - indexed for MEDLINE]

- ☐ 9: [Park H, Lee S.](#) [Related Articles, Links](#)



Determination of the active site protonation state of beta-secretase from molecular dynamics simulation and docking experiment: implications for structure-based inhibitor design.

J Am Chem Soc. 2003 Dec 31;125(52):16416-22.

PMID: 14692784 [PubMed - indexed for MEDLINE]

- ☐ 10: [Fortna RR, Crystal AS, Morais VA, Pijak DS, Lee VM, Doms RW.](#) [Related Articles, Links](#)



Membrane topology and nicastrin-enhanced endoproteolysis of APH-1, a component of the gamma-secretase complex.

J Biol Chem. 2004 Jan 30;279(5):3685-93. Epub 2003 Oct 30.

PMID: 14593096 [PubMed - indexed for MEDLINE]

- ☐ 11: [Koelsch G, Turner RT 3rd, Hong L, Ghosh AK, Tang J.](#) [Related Articles, Links](#)



Memapsin 2, a drug target for Alzheimer's disease.

Biochem Soc Symp. 2003;(70):213-20. Review.

PMID: 14587294 [PubMed - indexed for MEDLINE]

- ☐ 12: [He X, Zhu G, Koelsch G, Rodgers KK, Zhang XC, Tang J.](#) [Related Articles, Links](#)



Biochemical and structural characterization of the interaction of memapsin 2 (beta-secretase) cytosolic domain with the VHS domain of GGA proteins.

Biochemistry. 2003 Oct 28;42(42):12174-80.

PMID: 14567678 [PubMed - indexed for MEDLINE]

- ☐ 13: [Morais VA, Crystal AS, Pijak DS, Carlin D, Costa J, Lee VM, Doms RW.](#) [Related Articles, Links](#)



The transmembrane domain region of nicastrin mediates direct interactions with APH-1 and the gamma-secretase complex.

J Biol Chem. 2003 Oct 31;278(44):43284-91. Epub 2003 Aug 12.

PMID: 12917438 [PubMed - indexed for MEDLINE]

- ☐ 14: [Tounge BA, Reynolds CH.](#) [Related Articles, Links](#)



Calculation of the binding affinity of beta-secretase inhibitors using the linear interaction energy method.

J Med Chem. 2003 May 22;46(11):2074-82.

PMID: 12747779 [PubMed - indexed for MEDLINE]

- ☐ 15: [Crystal AS, Morais VA, Pierson TC, Pijak DS, Carlin D, Lee](#) [Related Articles, Links](#)

VM, Doms RW.



Membrane topology of gamma-secretase component PEN-2.
J Biol Chem. 2003 May 30;278(22):20117-23. Epub 2003 Mar 14.
PMID: 12639958 [PubMed - indexed for MEDLINE]

☐ **16:** Citron M.

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Emerging Alzheimer's disease therapies: inhibition of beta-secretase.
Neurobiol Aging. 2002 Nov-Dec;23(6):1017-22. Review.
PMID: 12470797 [PubMed - indexed for MEDLINE]

☐ **17:** Citron M.

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Beta-secretase as a target for the treatment of Alzheimer's disease.
J Neurosci Res. 2002 Nov 1;70(3):373-9. Review.
PMID: 12391600 [PubMed - indexed for MEDLINE]

☐ **18:** Bruinzeel W, Yon J, Giovannelli S, Masure S.

[Related Articles, Links](#)



Recombinant insect cell expression and purification of human beta-secretase (BACE-1) for X-ray crystallography.
Protein Expr Purif. 2002 Oct;26(1):139-48.
PMID: 12356481 [PubMed - indexed for MEDLINE]

☐ **19:** Hong L, Turner RT 3rd, Koelsch G, Shin D, Ghosh AK, Tang J. [Related Articles, Links](#)



Crystal structure of memapsin 2 (beta-secretase) in complex with an inhibitor OM00-3.
Biochemistry. 2002 Sep 10;41(36):10963-7.
PMID: 12206667 [PubMed - indexed for MEDLINE]

☐ **20:** Ghosh AK, Hong L, Tang J.

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Beta-secretase as a therapeutic target for inhibitor drugs.
Curr Med Chem. 2002 Jun;9(11):1135-44. Review.
PMID: 12052177 [PubMed - indexed for MEDLINE]

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☐ 21: Roggo S.

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Inhibition of BACE, a promising approach to Alzheimer's disease therapy.

Curr Top Med Chem. 2002 Apr;2(4):359-70. Review.

PMID: 11966460 [PubMed - indexed for MEDLINE]

☐ 22: Ghosh AK, Bilcer G, Harwood C, Kawahama R, Shin D, Hussain KA, Hong L, Loy JA, Nguyen C, Koelsch G, Ermolieff J, Tang J. Related Articles, Links



Structure-based design: potent inhibitors of human brain memapsin 2 (beta-secretase).

J Med Chem. 2001 Aug 30;44(18):2865-8.

PMID: 11520194 [PubMed - indexed for MEDLINE]

☐ 23: Hong L, Koelsch G, Lin X, Wu S, Terzyan S, Ghosh AK, Zhang XC, Tang J. Related Articles, Links



Structure of the protease domain of memapsin 2 (beta-secretase) complexed with inhibitor.

Science. 2000 Oct 6;290(5489):150-3.

PMID: 11021803 [PubMed - indexed for MEDLINE]

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